UGL2454-01R

54Mbps Wireless-G Cardbus Adapter
Linking your notebook with Wireless G network

FEATURES

- Works with both IEEE 802.11b and IEEE 802.11g products

- High-speed transfer data rate - up to 54Mbps

- High throughput supports multi-media data bandwidth requirement

- Supports 64/128-bit WEP, WPA (TKIP with IEEE 802.1x) and AES functions for high level of security

- Automatic link speed fallback to increases data security and reliability for long distance connection

- Supports the most popular operating system: Windows 98SE/Me/2000/XP

- Supports 32-bit Cardbus interface

OVERVIEW

This card complies with IEEE 802.11g standard, which supports up to 54Mbps high-speed wireless network connections. It can also work with IEEE 802.11b devices. When the card connects to 11b devices, the link speed will be up to 11Mbps.

For WLAN security issues, this card supports 64/128-bit WEP data encryption that protects your wireless network from eavesdropping. It also supports WPA (Wi-Fi Protected Access) feature that combines IEEE 802.1x and TKIP (Temporal Key Integrity Protocol) technologies. Client users are required to be authorized before accessing to APs or AP Routers, and the data transmitted in the network is encrypted / decrypted by a dynamically changed secret key. This card has built-in AES engine which ensure the highest degree of security and authenticity for digital information and it is the most advanced solution defined by IEEE 802.11i for the security in the wireless network.

The power consumption of the card is also very low. Furthermore, this card provides several levels of power saving modes allowing user customizes the way of saving the power from his/her portable or handheld devices.

SPECIFICATIONS

Hardware Specifications

Standard	IEEE 802.11b/g
Interface	32-bit Cardbus
Frequency Bands	2.4000 ~ 2.4835GHz (Industrial Scientific Medical Band)
Modulation	OFDM with BPSK, QPSK, 16QAM, 64QAM (11g BPSK, QPSK, CCK (11b)
Data Rate	54/48/36/24/18/12/11/9/6/5.5/2/1Mbps auto fallback
Security	64/128-bit WEP Data Encryption, WPA, AES and IEEE 802.1x
Antenna	Printed Antenna with Diversity System
Drivers	Windows 98SE/Me/2000/XP
LED	TX/RX, Link
Transmit Power	16dBm~18dBm
Power consumption	Tx: 350mA, Rx: 250mA
Receive Sensitivity	54Mbps OFDM, 10% PER, -70dBm, 11Mbps CCK, 8% PER, -86dBm, 1Mbps BPSK, 8% PER, -92dBm
Dimension	8(H) x 118(W) x 54(D) mm
Temperature	32~131°F (0 ~55°C
Humidity	Max. 95% (Non Condensing)
Certification	FCC, CE

Software Specifications

Site Survey	Available network listing, Re-scan function, Connect and profile setting
Profile setting	Add/Delete/Edit profile and activate function
Power Saving Mode	CAM(Constantly Awake Mode) Power Saving Mode CAM When AC Power
Network Type	Infrastructure Ad-Hoc
Transmit Power	You can select the lower percentages from the drop down list
11B Preamble Type	Auto and Long Preamble (only for Ad-Hoc mode)
RTS Threshold	Minimum packet size required for an RTS (Request To Send)
Fragment Threshold	The value defines the maximum size of packets
Channel	This setting is only available for Ad Hoc mode
Authentication Type	None – No authentication is needed among the wireless network Shared – Only the same shared key are allowed to connecting each other WPA-PSK - as Pre-Shared Key, including TKIP and AES. Only available for Windows XP
Encryption Mode	None – Disable the WEP Data Encryption WEP – Enable the WEP Data Encryption TKIP – TKIP (Temporal Key Integrity Protocol) AES – Complies to IEEE 802.11i AES for the security function
Link Status	Display the SSID and MAC ID, Number of the radio channel and the frequency Transmission rate, Throughput (Kbits/sec), Link Quality (in % or dBm) and Signal Strength
Statistics	View the available statistic information with its Tx counts (Tx success, Tx error, RTS Success and RTS Failed), and its Rx counts (Rx success, Rx error)
Advanced Setting	Wireless Mode 802.11 b/g mix, 802.11b Only Tx BURST, B/G Protection, ADHOC_OFDM, Tx Rate, Turn Off RF

ORDERING INFORMATIONS

Model	Description
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